

CLAIMS

What is claimed:

1. A propulsion system comprising:
 - a toroidally shaped charged particle containment system;
 - 5 a propellant injection port;
 - a propellant ionizer; and
 - an exhaust port.
2. The system of Claim 1 wherein the injection port comprises a gas injection port.
3. The system of Claim 1 further comprising a plurality of electrons stored in the containment system.
4. The system of Claim 3 wherein the containment system is positively charged.
5. The system of Claim 1 wherein the containment system comprises a chamber having the injection port on one side and the exhaust port on an opposite side.
6. The system of Claim 1 wherein the propellant comprises air.
7. The system of Claim 1 wherein the propellant comprises a fluid.
8. A propulsion comprising:
 - a cylindrical electron containment system, the system containing a
 - 25 plurality of electrons circulating in a toroidal shape;
 - a propellant injection port on the system; and
 - an exhaust port on the system.

9. The system of Claim 8 wherein the containment system comprises a toroidally shaped housing.
10. The system of Claim 8 further comprising a plurality of electrons stored in the containment system.
11. The system of Claim 10 wherein the containment system is positively charged.
12. The system of Claim 10 wherein the containment system comprises a chamber having the injection port on one side and the exhaust port on an opposite side.
13. The system of Claim 10 wherein the propellant comprises air.
14. The system of Claim 10 wherein the propellant comprises a fluid.
15. A propulsion system comprising:
an electron containment system housing;
an air inlet port on the housing;
a plurality of electrons in the housing that heat air flowing through the housing; and
an exhaust port on the housing.
16. The system of Claim 15 wherein the containment system housing comprises a toroidally shaped housing.
17. The system of Claim 15 wherein the containment system housing is positively charged.

18. The system of Claim 15 wherein the containment system housing comprises a chamber having the injection port on one side and the exhaust port on an opposite side.
- 5 19. The system of Claim 15 further comprising a magnetic field within the housing that contains the electrons.
20. The system of Claim 15 wherein the housing comprises a dielectric material.

1003497-1006-103